

### **Remarks**

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and the following remarks. Solely to place the present application in condition for allowance, applicants have canceled withdrawn claims 3-6, 11, 28-77, 79, 84-107, 112-114 and 116-117. Applicants reserve the right to file one or more continuing applications directed to any and all combinations of features recited in these canceled claims. Claims 1, 2, 7-22, 80-83, 108-110, 115, 118, and 119 remain pending. Claims 1, 2, 7-22, 80-83, 108-110, 115, 118, and 119 are rejected.

#### **I. Claim Rejections under 35 U.S.C. § 112, Second Paragraph**

Claim 1 is rejected as allegedly being indefinite in view of the preamble. Applicants have amended claim 1 to delete the language referred to by the Examiner in the preamble. As a result, applicants request that this rejection be withdrawn.

Claim 1 also is rejected in view of "determining data." In response applicants have deleted this phrase from claim 1, which now simply states "generating a feature space vector."

Claim 1 also is rejected in view of the term "sufficient." This term too has been deleted from claim 1.

Claim 1 refers to "the system." Applicants assert that "biological system" provides antecedent basis for "the system." Nevertheless, applicants have amended claim 1 to address this rejection.

Claim 7 also is rejected as allegedly being indefinite. Applicants have canceled claim 7.

Claim 16 is rejected in view of the phrase "following mathematical transformation." Applicants have amended claim 16 to state "mathematically transforming known scenarios present in the database-to generate a complex scenario" to address this rejection.

In view of the foregoing amendment, applicants request that the rejections under Section 112 be withdrawn.

#### **II. Claims Rejections under 35 U.S.C. § 102**

Applicants note that claim 8 is not rejected over the cited references. Accordingly, applicants have amended independent claim 1 to include the features of dependent claim 8. This amendment requires no new search by the Examiner, as this combination was previously presented by dependent

claim 8. Moreover, this amendment addresses each of the pending rejections under Section 102.

Applicants therefore request that such rejections be withdrawn.

The present application is in condition for allowance, and such action is respectfully requested.

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Respectfully submitted,

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